

Author Index for Volume 31

- Alcubilla, R., 47
 Antonucci, P. L., 119
 Antonucci, V., 119
 Arab, A. B., 105
 Araujo, G. L., 203
 Arico, A. S., 119
 Augustine, G., 379

 Barua, A. K., 13
 Batabyal, A. K., 13
 Beres, J., 425
 Bhattacharya, G., 1
 Bicelli, L. P., 283
 Birkmire, R. W., 527
 Blasco, E., 47
 Bowron, J. W., 159
 Brafman, H., 23
 Bube, R. H., 171
 Burke, J., 443

 Calderer, J., 47
 Carabe, J., 39
 Carotta, M. C., 217
 Cecchi, G. C., 217
 Chaudhuri, P., 13
 Chu, J. W., 197
 Cocke, D. L., 119
 Conrad, N., 443
 Corkish, R., 537
 Correig, X., 47
 Crea, F., 119

 Dai, G.-C., 279
 Damaskinos, S. D., 159
 Deshmukh, L. P., 549
 Dickerson, P., 443
 Dixon, A. E., 159
 Durán, J. C., 497

 Fahrenbruch, A. L., 171
 Faine, P., 259
 Fthenakis, V. M., 513

 Garcia, E., 47
 Giordano, N., 119

 Hampson, C. E., 459
 Haneman, D., 197
 Hankare, P. P., 549
 Holmes, C., 459

 Jahns, S., 443

 Khare, N., 283
 Khouzam, K., 505
 Khouzam, L., 505
 King, R. J., 395
 Kurokawa, K., 151
 Kurtz, S. R., 259

 Landis, G. A., 297
 Larson, D., 443
 Li, S. S., 349
 Lingenfelter, W., 443
 Long, L. P., 459
 Loo, R. Y., 349
 Luque, A., 203, 237

 Ma, H.-L., 279
 Makios, V., 57
 Makwana, J., 23
 Marti, A., 203
 Martinelli, G., 217
 McCandless, B. E., 527
 McClure, J. C., 23
 Merli, M., 217
 Mialhe, P., 223
 Miao, Q.-H., 279
 Milias-Argitis, J., 57
 Minano, J. C., 237
 Moller, H. J., 77
 Moskowitz, P. D., 513
 Mouhammad, S., 223
 Munn, E., 443

 Neogy, C., 1

 Olson, J. M., 259

 Palmeri, D., 217
 Passari, L., 217
 Pelanchon, F., 223
 Piacesi, R. F. D., 459
 Prat, L., 47

 Ramanachalam, M. S., 379
 Ray, S., 13
 Raynor, W. C., 459
 Razzini, G., 283
 Ren, Z.-Z., 279
 Riordan, C., 259
 Rohatgi, A., 143, 379
 Russo, U., 119

 Salagnon, J. M., 223
 Salmon, N., 443
 Sawant, V. S., 549
 Schaffer, J. P., 379
 Schmidt, G., 444
 Singh, V. P., 23
 Sudharsanan, R., 143

 van Steenwinkel, R., 217
 Venier, G., 497
 de Vos, A., 181

 Weht, R., 497
 Weinberg, I., 297, 331
 Woodyard, J. R., 297

 Yoo, J.-B., 171

 Zacharias, Th., 57
 Zekry, A., 559
 Zheng, Z.-X., 279

Subject Index for Volume 31

- Amorphous silicon
 - thickness dependence of light-induced effects in a-Si solar cells, 13
- Arsenic
 - deep-level defects and numerical simulation of radiation damage in GaAs solar cells, 349
 - efficiency of silicon and GaAs concentrator solar cells operated inside integrating cavity receivers, 203
- Bifacial silicon solar cells
 - spectral response degradation of bifacial silicon solar cells, 47
- Capacitance
 - characterization of thin film CdS-CdTe solar cells, 23
 - numerical analysis of the performance of a photovoltaic array curve tracer by the capacitive load method, 151
- Car design
 - sunrunner: the engineering report, 425
 - the pride of Maryland: a solar-powered car for G. M. Sunrayce U.S.A., 459
 - viking XX-Western Washington University's solar race car, 443
- Carrier lifetimes
 - determination of lifetime and surface recombination velocity in solar cells, 223
- CdS:As/electrolyte solar cells
 - some investigations on thickness-dependent electrical behaviour of CdS:As/electrolyte solar cells, 549
- CdTe/CdS solar cells
 - characterization of thin film CdS-CdTe solar cells, 23
 - analysis of post deposition processing for CdTe/CdS thin film solar cells, 527
 - investigation of metalorganic chemical vapor deposition grown CdTe/CdS solar cells, 143
- Characterization
 - a review of selected techniques for characterizing radiation-induced defects in solar cells, 379
- Computer
 - computer-aided analysis of stepped sine-wave inverters, 559
- Copper
 - photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited Cu-InSe₂ films, 283
- CuInSe₂
 - structure and defect chemistry of grain boundaries in CuInSe₂, 77
 - effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171
 - degradation processes in polycrystalline copper indium diselenide photoelectrochemical cells, 197
- Current-voltage analysis
 - characterization of the anomalous second junction in Mo/CuInSe₂/(CdZn)S/ITO solar cells, 159
- Defects
 - a review of selected techniques for characterizing radiation-induced defects in solar cells, 379
 - deep-level defects and numerical simulation of radiation damage in GaAs solar cells, 349
- Degradation
 - degradation processes in polycrystalline copper indium diselenide photoelectrochemical cells, 197
- Deposition
 - analysis of post deposition processing for CdTe/CdS thin film solar cells, 527
- Design analysis
 - the pride of Maryland: a solar-powered car for G. M. Sunrayce U.S.A., 459
- Disposal
 - a checklist of suggested safe practices for the storage, distribution, use and disposal of toxic and hazardous gases in photovoltaic cell production, 513

Doping

- a two-dimensional photoresponse analysis of preferentially doped polysilicon solar cells, 105
- optimization of the junction depth and doping of solar cell emitters, 497

Electrical behaviour

- some investigations on thickness-dependent electrical behaviour of CdS:As/electrolyte solar cells, 549

Electrochemical photovoltaic cells

- photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells, 119

Electrodes

- photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells, 119

Electrolyte creep

- degradation processes in polycrystalline copper indium diselenide photoelectrochemical cells, 197

Electrolyte electroreflectance

- photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283

Emitters

- optimization of the junction depth and doping of solar cell emitters, 497

Endoreversible engine

- is a solar cell an endoreversible engine?, 181

Fill factor

- investigation of metalorganic chemical vapor deposition grown CdTe/CdS solar cells, 143
- Numerical analysis of the performance of a photovoltaic array curve tracer by the capacitive load method, 151

First-order circuits

- first-order circuits driven by a photovoltaic generator, 57

Gallium

- deep-level defects and numerical simulation of radiation damage in GaAs solar cells, 349
- efficiency of silicon and GaAs concentrator solar cells operated inside integrating cavity receivers, 203

Grain boundaries

- structure and defect chemistry of grain boundaries in CuInSe₂, 77

Hazardous gases

- a checklist of suggested safe practices for the storage, distribution, use and disposal of toxic and hazardous gases in photovoltaic cell production, 513

Hot-spot

- removal of the hot-spot problem in photovoltaic modules and arrays, 1

Hydrogen

- transient behaviour of short-circuit current and open-circuit voltage in a-Si:H solar cells, 279

I layer

- thickness dependence of light-induced effects in a-Si solar cells, 13

I-V characteristics

- first-order circuits driven by a photovoltaic generator, 57

Indium

- photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283
- radiation damage in InP solar cells, 331

Intrinsic point defects

- structure and defect chemistry of grain boundaries in CuInSe₂, 77

Junction depth

- optimization of the junction depth and doping of solar cell emitters, 497

Lattice-matched layers

- some candidate materials for lattice-matched liquid-phase epitaxial growth on silicon, 537

Light-induced effects

- thickness dependence of light-induced effects in a-Si solar cells, 13

Liquid-phase epitaxy

- some candidate materials for lattice-matched liquid-phase epitaxial growth on silicon, 537

Load

- load prioritization and shedding in photovoltaic power system, 505

Load resistance

- numerical analysis of the performance

- of a photovoltaic array curve tracer by the capacitive load method, 151
- Mo/CuInSe₂/(CdZn)S/ITO solar
 - characterization of the anomalous second junction in Mo/CuInSe₂/(CdZn)S/ITO solar cells, 159
- Multistep tunnelling
 - effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171
- Non-linear solar cells
 - a new approach to measuring spectral responses of non-linear solar cells, 39
- Open-circuit voltage
 - effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171
 - investigation of metalorganic chemical vapor deposition grown CdTe/CdS solar cells, 143
 - Transient behaviour of short-circuit current and open-circuit voltage in a-Si:H solar cells, 279
- Optics
 - characterization of thin film CdS-CdTe solar cells, 23
 - optical aspects in photovoltaic energy conversion, 237
- Phosphorus
 - radiation damage in InP solar cells, 331
- Photoelectrochemical cells
 - degradation processes in polycrystalline copper indium diselenide photoelectrochemical cells, 197
- Photoelectrochemical characterization
 - photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited Cu-InSe₂ films, 283
- Photoelectrode thickness
 - some investigations on thickness-dependent electrical behaviour of CdS:As/electrolyte solar cells, 549
- Photoresponse
 - a two-dimensional photoresponse analysis of preferentially doped polysilicon solar cells, 105
- Photovoltaic energy conversion
 - optical aspects in photovoltaic energy conversion, 237
- Photovoltaic generator
 - first-order circuits driven by a photovoltaic generator, 57
- Photovoltaic modules
 - removal of the hot-spot problem in photovoltaic modules and arrays, 1
- Polysilicon solar cells
 - a two-dimensional photoresponse analysis of preferentially doped polysilicon solar cells, 105
- Power management
 - load prioritization and shedding in photovoltaic power system, 505
- Propulsion
 - sunrunner: the engineering report, 425
 - the pride of Maryland: a solar-powered car for G. M. Sunrayce U.S.A., 459
- Proton irradiation
 - spectral response degradation of bifacial silicon solar cells, 47
- Pyrite
 - photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells, 119
- Quasi-ohmic contacts
 - characterization of the anomalous second junction in Mo/CuInSe₂/(CdZn)S/ITO solar cells, 159
- Radiation
 - radiation resistance of thin-film solar cells for space photovoltaic power, 297
 - deep-level defects and numerical simulation of radiation damage in GaAs solar cells, 349
 - radiation damage in InP solar cells, 331
- Recombination
 - effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171
- Safe practices
 - a checklist of suggested safe practices for the storage, distribution, use and disposal of toxic and hazardous gases in photovoltaic cell production, 513
- Selenium
 - photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283

- Shadowing
 - removal of the hot-spot problem in photovoltaic modules and arrays, 1
- Shedding
 - load prioritization and shedding in photovoltaic power system, 505
- Short-circuit current
 - transient behaviour of short-circuit current and open-circuit voltage in a-Si:H solar cells, 279
- Silicon
 - a reverse silicon solar cell, 217
 - efficiency of silicon and GaAs concentrator solar cells operated inside integrating cavity receivers, 203
 - some candidate materials for lattice-matched liquid-phase epitaxy growth on silicon, 537
 - transient behaviour of short-circuit current and open-circuit voltage in a-Si:H solar cells, 279
- Sinewave inverters
 - computer-aided analysis of stepped sinewave inverters, 559
- Solar powered car
 - solar cars race for the future
 - results of the GM Sunrayce U.S.A. and the World Solar challenge, 395
 - sunrunner: the engineering report, 425
 - the pride of Maryland: a solar-powered car for G. M. Sunrayce U.S.A., 459
 - Viking XX-Western Washington University's solar race car, 443
- Space power
 - radiation resistance of thin-film solar cells for space photovoltaic power, 297
- Spectral responses
 - a new approach to measuring spectral responses of non-linear solar cells, 39
 - spectral response degradation of bifacial silicon solar cells, 47
- Spectral solar radiance
 - the influence of spectral solar irradiance variations on the performance of selected single-junction and multi-junction solar cells, 259
- Spectroscopy
 - photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells, 119
- Storage
 - a checklist of suggested safe practices for the storage, distribution, use and disposal of toxic and hazardous gases in photovoltaic cell production, 513
- Surface recombination velocity
 - determination of lifetime and surface recombination velocity in solar cells, 223
- Thermal disequilibrium
 - removal of the hot-spot problem in photovoltaic modules and arrays, 1
- Thickness
 - thickness dependence of light-induced effects in a-Si solar cells, 13
- Thin films
 - characterization of thin film CdS-CdTe solar cells, 23
 - analysis of post deposition processing for CdTe/CdS thin films solar cells, 527
 - radiation resistance of thin-film solar cells for space photovoltaic power, 297
- Topological characterization
 - photoelectrochemical, electrolyte electroreflectance and topological characterization of electrodeposited CuInSe₂ films, 283
- Tracer
 - numerical analysis of the performance of a photovoltaic array curve tracer by the capacitive load method, 151
- Vapour deposition
 - investigation of metalorganic chemical vapor deposition grown CdTe/CdS solar cells, 143
- Zinc selenide
 - effect of a thin intermediate zinc selenide layer on the properties of CuInSe₂ solar cells, 171

